

ADDENDUM No. 1

This Addendum consists of the following **CHANGES TO THE BID DOCUMENTS FOR OFFICIAL NOTICE No. 33-2012:**

1. **NOTICE TO CONTRACTORS:**

NOTICE TO CONTRACTORS intending to bid on the above noted Official Notice with bid opening date of Monday, April 23, 2012, at 10:30 a.m. The bidder shall acknowledge receipt of this addendum on the acknowledgement page in the bid document.

The requirement remains 21% for MWSBE participation, but the participation can be any combination of MWSBE firms as long as they are firms that have been certified by the City of Milwaukee by the Office of Small Business Development.

The deadline for RFI questions has been extended to 4/16/12, 4:45pm.

All questions will be responded by 4/18/12, 4:45pm.

Additional site visits are being held on 4/12, 4/13, 4/16, 4/17, 4/18 and 4/19 by appointment.

The existing indoor 5KV Switchgear (all sections) shall be cleaned using Carbon dioxide particle media blasting (while the equipment is energized) by the supplier of the outdoor substation switchgear.

Detail 5/NW-47-14 (Bollard Detail) shall be modified to have a footing depth of 4'-0". The bollard cap can be a concrete form.

The electrical contractor is responsible for furnishing and installing temporary fencing to maintain a secured and lockable perimeter around the existing and new substation until the final fencing is in place.

The existing fence sits on a footing wall that is 3'-6" in depth and 8" in width with #5-12" o.c. steel. The footing wall travels the outline of the existing fence. This footing wall shall be removed. In lieu of individual fence post footings as indicated on the plans, a new footing wall shall be constructed to match the existing footing wall to support the new fence. Note that new duct banks will need to be installed in places where there is currently an existing fence footing wall.

A new reference sheet has been issued (NW-10-32 / viewable by appointment). This drawing shows additional substation foundations that need to be removed.

2. PLEASE SEE THE RESPONSES BELOW TO THE REQUEST FOR INFORMATION SUBMITTED:

QUESTION:

- The concrete busting product wants you to have 9 inches of clearance away from the base. On pump #2 and #3 foundations the metal steps that lead to the floor level are a less than an inch from the base of the pad. What should be done? The steps look as if they are one monolithic piece.

RESPONSE:

- **Proceed as specified. We do not anticipate any damage.**

QUESTION:

- Can a torch be used for cutting demolition in the substation yard?

RESPONSE:

- **Yes.**

QUESTION:

- Who is responsible for turning the electricity off in the substation yard so that the transformers can be removed?

RESPONSE:

- **The electrical contractor in coordination with the owner and utility.**

QUESTION:

- Is everything in the substation yard going to be replaced?

RESPONSE:

- **Yes, but not all at the same time.**

QUESTION:

- How far below the foundation of Pump #2 and Pump #3 and the pipe pads within the building do you want removed?

RESPONSE:

- **All equipment pads/bases (pipe, valve, pump) are to be removed down to the floor level.**

QUESTION:

- Do the outside concrete pads have to be completely removed or can part of them be left if it is below grade?

RESPONSE:

- **They need to be completely removed.**

QUESTION:

- How do you want the Hanging Metal Supporting System that holds up the Ceiling Tiles to be removed? Do you want it to be cut off flush with the ceiling or do you want the anchors to be taken out of the ceiling and the holes to be filled with some sort of filler (if so what type)?

RESPONSE:

- **Cut off flush with the ceiling. Any holes resulting from demolition shall be filled with a suitable Sika epoxy product.**

QUESTION:

- Should we assume that the oil enclosed circuit breakers are also assumed to contain PCB in their insulating oil?

RESPONSE:

- **Yes.**

QUESTION:

- With respect to the leaking oil filled transformer, will the City some base line quantity of excavation and soil disposal for the assumed contaminated soil below the transformer? From a bidding perspective, we have no way to know how much soil is contaminated and needing proper disposal, and how much replacement backfill will be required. Should the City ask for a unit cost for contaminated soil removal and disposal and another unit cost for new clean backfill material?

RESPONSE:

- **The following company shall be used for performing a complete substation study:**

**North Shore Environmental Construction, Inc.
N117 W 18493 Fulton Drive
Germantown WI 53022
Phone: (262) 255-4468
Fax: (262) 255-6993
Contact Person: Mark Norris**

The scope of the study will be to perform a complete soil assessment within the substation fencing for polychlorinated biphenyl (PCB) Diesel Range Organics (DRO), Benzene, and Lead contamination. An assessment will also be performed on the steel structures for the presence of lead paint. The report shall indicate all requirements for the abatement of any contaminated soil and concrete structures along with any structures containing lead paint. The study shall also include a complete assessment of any asbestos present within the substation equipment including above / underground conduits. The report shall indicate all requirements for the abatement of any equipment / conduit contaminated with asbestos.

Once the job is awarded the study can begin. All cost (IF ANY) associated with contaminated soil, concrete and conduit will be handled via change order.

QUESTION:

- Will the City provide an estimate of asbestos containing material that will need to be disposed of properly that is located in the outdoor substation?

RESPONSE:

- **The following company shall be used for performing a complete substation study:**

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Once the job is awarded the study can begin. All cost (IF ANY) associated with contaminated soil, concrete and conduit will be handled via change order.

QUESTION:

- Are there any other pieces of equipment in the substation or inside the pumping station that contain hazardous materials? I have seen the notation in the bid documents regarding testing of the ceiling tiles for ACM.

RESPONSE:

- **Test the ceiling tiles. Contractor shall assume all outdoor and indoor transformers to be removed are contaminated with PCBs. Contractor shall assume all outdoor breakers are contaminated with PCBs. Contractor shall assume that the concrete pads for the outdoor transformers are contaminated with PCBs. See Specification 01010 Part 1.05 for additional PCB/ Asbestos/ Lead Paint requirements.**

QUESTION:

- Could you confirm that EMT is allowed in exposed dry locations per specification section 16111 page 5 section 3.03? I am assuming the entirety of the inside of the pumping station is considered a dry location. Is EMT really allowed as a wiring method?

RESPONSE:

- **All conduits shall be as indicated on the drawings. EMT is not an approved wiring method. If not indicated on the plans, all conduit shall be Galvanized Rigid Steel.**

QUESTION:

- The part number for the DPDT relay base by IDEC is the same as the Prosoft Ethernet by Allen Bradley, MV156. What are correct part numbers for each of the components? Are you supplying all the DIN rail, wire management, terminal strip end barriers, ground terminals, etc out of your own inventory, so we do not need to supply those parts to you?

RESPONSE:

- **Corrected IDEC Relay Base Part #: SH2B-05**

Contractor shall only furnish the parts specified on the equipment list tables.

Corrected ProSoft Ethernet Part #: MVI56-MNET

QUESTION:

- The 36" butterfly valves are fairly clearly defined except for a few critical process specifications. What is working pressure? Since the requested valves are replacement for gate valves, please let us know the face to face dimension of the old valves.

RESPONSE:

- **Highest anticipated pressure in the discharge header at Valve 19D is 80psi.**

Approximate dimensions of the existing 36" check valve can be scaled off of the project plan sheets. However, all exact measurements are to be field verified by the contractor.

QUESTION:

- The Ball valves do not have size specifications beyond what is listed in section 2.08:
 - A valve body having a waterway inlet and outlet diameters equal to the nominal size of the valve.
 - A rotatable ball closing element having a clear waterway diameter equal to the nominal size of the valve.

Could you please specify the number and sizes of ball valves required?

RESPONSE:

- **Two (2) Ball Valves are to be supplied and installed as part of this project. The number and sizes per the design plans are One (1) 12" Ball Valve and One (1) 18" Ball Valve.**

QUESTION:

- Section 15600, Horizontal Centrifugal Pump, Part 1.04: A 420 SS pump shaft is specified. Parts 1.04 and 1.05: Specifications are given for both a Bronze Shaft Sleeve and Stainless Steel Shaft Sleeve. Which one does MWW want?

Section 15600, Horizontal Centrifugal Pump, Parts 1.06 and 1.07: Specifications are given for both Packing Glands and Mechanical Seals. Which one does MWW want?

RESPONSE:

- **MWW requires a Bronze Shaft Sleeve.**

MWW requires Mechanical Seals.

QUESTION:

- What is the procedure for scheduling the shutdown to disconnect the existing piping and install the new? Premium time or straight time? Can the 42" inlet header be isolated like the 42" discharge header?

RESPONSE:

- **All shutdown procedures are to be coordinated with MWW Plants Operations for the Florist Pumping Station. Notifications for proposed shutdowns are to be submitted at least 3 weeks in advance for proper scheduling and procedural assignments.**

Standard approved project work hours are Monday-Friday 7:00AM-3:30PM.

All headers can be isolated. Due to daily varying pumping demands, isolation procedures are subject to change. Exact procedural coordination to be scheduled through MWW Plants Operations.

QUESTION:

- On the last page of the bill of material from FABCO in Exhibit A item #6 indicates that "Generator remote annunciator to be provided by FABCO." I do not see a remote annunciator indicated on the floor plans or the SCADA wiring diagram on sheet NW-47-28. Where is the remote annunciator located and what wiring is required? Is there a conduit provided in the duct package for this wiring?

RESPONSE:

- **Consider the remote annunciator a ship loose accessory. No wiring or installation required.**

QUESTION:

- Does the steel deck plating indicated on the drawings for the protection of existing utilities need to remain in place for the duration of exterior work or is it only needed during heavy equipment operations, such as the excavation, crane usage etc?

RESPONSE:

- **We need the plating whenever the existing utilities need to be protected.**

QUESTION:

- For the ball valve(s), we can have the “base” speed at a minimum of 2 minutes (120 seconds). The pulsing (via PLC) will control from there. Please confirm.

RESPONSE:

- **Furnish the controls so that the motor operator shall require not less than 315 seconds to perform a complete opening cycle and not less than 270 seconds to perform a normal close operation.**

QUESTION:

- It appears that the operational speed (open/close cycle time) for the simple isolation service of the butterfly could use a different, and perhaps more simplified, operation. If just a simple open/close, please define what this cycle time might be. It would be helpful to know if this valve is working against what flow and at what pressure.

RESPONSE:

- **Highest anticipated pressure in the discharge header at Valve 19D is 80psi.**

Furnish the controls so that the motor operator shall require not less than 315 seconds to perform a complete opening cycle and not less than 270 seconds to perform a normal close operation.

QUESTION:

- Who should provide the valve actuator control panels?

RESPONSE:

- **Correction to the specifications: The electrical contractor shall furnish and install the valve actuator control panels.**

QUESTION:

- For the 36” butterfly valve, please confirm if such controller is even required if simple open/close operation and/or if actuator itself is accessible.

RESPONSE:

- **Even though not all functions may be used, for interchangeability, all controllers shall be the same.**